

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Nicholas Carl Seroff	Examiner:	
Serial No.:		Group Art Unit:	
Filed:	April 1, 2004	Docket No.:	STL11398
Title:	Method And Apparatus For Obtaining Trace Data Of A High Speed Embedded Processor		

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
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INFORMATION DISCLOSURE STATEMENT

Section 1. Forms PTO/SB/08A and 08B (substitute for Form PTO-1449)

Form PTO/SB/08A /and 08B is attached hereto.

Section 2. Remarks or Additional Statements

☒ This Information Disclosure Statement is being filed along with a new patent application.

☐ This Information Disclosure Statement is being filed *within* three months of the filing date of the application or date of entry into the national stage of an international application or *before* the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. 1.97(b).

☐ 37 C.F.R. §1.97(c) This Information Disclosure Statement is being filed *after* three months of the filing date of this national application or the date of entry of the national Stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office Action on the merits, whichever event occurred last but *before* the mailing date of either:

1. a final action under section 1.113; or
2. a notice of allowance under section 1.311
whichever occurs first.

☐ A fee under 37 C.F.R. §1.17(p) is required because no certification under 37 C.F.R. §1.97(e) has been made; or

☐ No fee is required because certification statement under 37 C.F.R. §1.97(e) is noted below.

☐ 37 C.F.R. §1.97(d) This Information Disclosure Statement is being filed *after* a final action under §1.113, or a notice of allowance under §1.113, whichever occurs first, but before, or simultaneously with, the payment of the issue fee.

☐ A fee under 37 C.F.R. §1.17(p) is required and either of the statements below (37 C.F.R. §1.97(e)).

- ☐ 37 C.F.R. §1.97(e) Choose either Statement:
- ☐ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing; or
- ☐ No item of information contained in the IDS was cited in a communication from a foreign patent office in the counterpart foreign application, and to my knowledge no item of information contained in the IDS was known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this IDS.

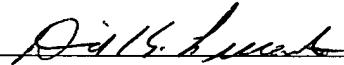
Consideration of the listed items is respectfully requested.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC
(Assignee of Entire Interest)

Date

4/1/04


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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	
Filing Date	04/01/2004
First Named Inventor	Nicholas Carl Seroff
Art Unit	
Examiner Name	
Attorney Docket Number	STL11398

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 4,156,796	05/29/1979	O'Neal et al.	
	AB	US- 4,188,665	02/12/1980	Nagel et al.	
	AC	US- 5,884,023	03/16/1999	Swoboda et al.	
	AD	US- 5,983,366	11/09/1999	King	
	AE	US- 6,038,391	03/14/2000	Kawaba	
	AF	US- 6,148,381	11/14/2000	Jotwani	
	AG	US- 6,209,045 B1	03/27/2001	Hawegawa et al.	
	AH	US- 6,421,795 B2	07/16/2002	Yamashita	
	AI	US- 6,594,782 B1	07/15/2003	Tagawa	
	AJ	US- 6,606,328 B1	08/12/2003	Susnow	
	AK	US- 6,650,141 B2	11/18/2003	Agrawal et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	AA	EP 0610581 A2	08/17/1994	IBM		
	AB	EP 0814404 B1	12/29/1997	Matsushita Electric Industrial		
	AC	EP 0974093 B1	01/26/2000	Advanced Micro Devices Inc.		
	AD	JP 3-127236	05/30/1991			
	AE	JP 7-21062	01/24/1995			

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	2
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First Named Inventor	Nicholas Carl Seroff
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Examiner Name	
Attorney Docket Number	STL11398

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	AF	JP 11-96130	04/09/1999			

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	04/01/2004
				First Named Inventor	Nicholas Carl Seroff
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	STL11398

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	NATIONAL SEMICONDUCTOR CORPORATION, "SCAN9210123 and SCAN921224 20-66 MHz Bus LVDS Serializer & Deserializer With IEEE 1149.1 (JTAG) And At-Speed BIST," National Semiconductor, (April 4, 2001).	
	AB	VITESSE SEMICONDUCTOR CORPORATION, "Advance Product Information VSC7182," Rev 2.3 ed., Vitesse Semiconductor Corporation, (November 19, 2001).	
	AC	VITESSE, "VSC7123," Vitesse (US), (April 1, 2003).	
	AD	SERDES, "How To Apply SERDES Performance To Your Design," http://www.eetimes.com/story/OEG20030124S0031 , CMP Media, LLC (US), (January 27, 2003).	
	AE	DAVE LEWIS, "Easy-To-Use LVDS Serdes For The Serdes Neophyte," National Edge, www.national.com/nationaledge/sep01/864.html (US), (February 20, 2004).	
	AF	MOTOROLA, "Motorola SerDes Transceivers," Motorola, Inc. (US), (February 20, 2004).	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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